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Department of Energy  
Richland Operations Office  
P.O. Box 550  
Richland, Washington 99352

NMWAF - Hanford

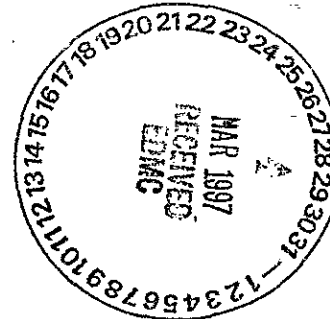
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Mr. Douglas R. Sherwood  
Hanford Project Manager  
U.S. Environmental Protection Agency  
712 Swift Blvd., Suite 5  
Richland, Washington 99352

Mr. Mike A. Wilson, Program Manager  
Nuclear Waste Program  
State of Washington  
Department of Ecology  
P.O. Box 47600  
Olympia, Washington 98504-7600



Dear Messrs. Sherwood and Wilson:

NOTICE OF CHANGE TO THE WASTE VOLUME ESTIMATES IN THE N AREA WASTE EXPEDITED RESPONSE ACTION MEMORANDUM

Attached is the draft public information notice and the draft administrative record information table regarding the changes to the waste volume estimates and associated cost information in the N Area Waste Expedited Response Action Memorandum. This information is being provided for your review and concurrence.

Although the Comprehensive Environmental Response, Compensation, and Liability Act of 1980 (CERCLA) does not require public notice of the revisions to quantity estimates in the Action Memorandum, the U.S. Department of Energy, Richland Operations Office has concurred with the State of Washington Department of Ecology staff that such notice may be appropriate in this case and is not inconsistent with the National Contingency Plan.

The changes consist of revising the waste volume estimates identified in the Action Memorandum. The waste volumes identified in the Action Memorandum were based on the estimated volumes presented in the Engineering Evaluation/Cost Analysis for the N Area Waste. Volume estimates in the Action Memorandum will be exceeded primarily due to updated waste estimates, waste packaging requirements (void space), and resequencing of work. Please note that although the waste volume estimate has been increased, waste sources and constituents remain consistent with the Action Memorandum. The wastes identified in the attached table will be disposed to the Environmental Restoration Disposal Facility, as specified in the Action Memorandum.

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Messrs. Sherwood and Wilson

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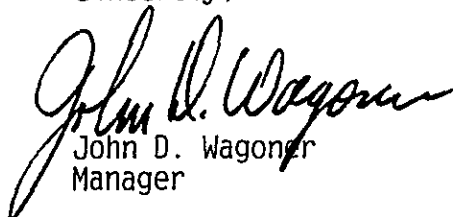
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The revised 100-N Area waste amounts are consistent with the 100N Area Deactivation Project FY97 Work Plan and the 100-N Basin FY97 Work Plan, with the exception of 7,000 cubic feet of the N Basin low level waste, resulting from the removal of N Basin cubicle canister guides ("spiders"), which has recently been determined to be required because of their impact on the efficiency of the sediment relocation equipment as well as, as low as reasonably achievable concerns during N Basin water removal. 100N Area Deactivation wastes to be disposed as authorized in the Action Memorandum will include, but not be limited to, the volumes identified in the attached table.

If you have any questions regarding these changes, please contact Mr. Glenn Richardson at (509) 373-9629.

Sincerely,

  
John D. Wagoner  
Manager

## Attachments

cc w/attach:


M. E. Greenidge, BHI

P. S. Innis, EPA

T. E. Logan, BHI

P. R. Staats, Ecology BS-18

Concurrence:

  
\_\_\_\_\_  
Douglas R. Sherwood, EPA  
\_\_\_\_\_  
Mike A. Wilson, Ecology

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# HANFORD

## CLEANUP

For your information ...

### Change to Volume Estimates in the 100-N Area Waste Expedited Response Action Memorandum

The U.S. Department of Energy, Richland Operations Office, is informing the public of a change to the waste volume estimate in the 100-N Area Waste Expedited Response Action Memorandum. The waste volumes identified in the Action Memorandum were based on the estimated volumes in the Engineering Evaluation/Cost Analysis (EE/CA) for the N Area Waste. The preliminary estimated volume of waste in the EE/CA was approximately 630 cubic meters. Current estimates of waste volumes based on work performed to date indicate that the actual volume will be in the range of 2100 cubic meters. The estimate has been increased by incorporation of volume estimates for certain wastes, described in the EE/CA, for which volume estimates were not previously developed. Additionally, there have been waste volume estimate refinements as well as the inclusion of other wastes from an activity which was originally scheduled to be completed prior to the publication of the EE/CA, but which was delayed due to operational issues. A subsequent evaluation determined that the waste met the Environmental Restoration Disposal Facility (ERDF) waste acceptance criteria making the ERDF a viable disposal option.

To request further information contact:

Glenn Richardson  
U.S. Department of Energy  
P.O. Box 550 (HO-12)  
Richland, Washington 99352  
(509) 373-9629

**OR CALL TOLL FREE:**

**Hanford Cleanup Line**  
**1-800-321-2008**

**The Information may be reviewed at:**



Tri-Party Agreement

**RICHLAND**

U.S. Department of Energy Reading Room  
Washington State University, Tri-Cities  
100 Sprout Road, Room 130 West  
(509) 376-8583  
ATTN: Terri Traub

# Revised Waste Volumes to the N Area Waste Action Memorandum

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The 100 N Area Waste Action Memorandum authorized the disposal of wastes generated by deactivation activities in the 100 N Area in ERDF. Volume estimates in the Action Memorandum will be exceeded for the reasons specified below. 100N Area Deactivation wastes to be disposed as authorized in the Action Memorandum will include, but not be limited to, the following volumes.

Disposal Item	Action Memorandum Waste Volume Estimate (cu. ft.)	Revised Waste Volume Estimate* (cu. ft.)	Reason for Change	Estimated Cost of Transportation and Disposal at ERDF** (\$)
<b>N Deactivation Project</b>				
Low level waste (LLW)	8,100	33,370	Revised waste volumes based on current estimates.	73,700
Mixed waste	350	350		800
EDB waste	4,100 <sup>(1)</sup>	7,770	More water volume captured in slurry matrix configuration than originally anticipated.	17,200
IDW	1,650 <sup>(2)</sup>	1,650		3,700
Subtotal N Deactivation	14,200	43,140		\$95,400
<b>N Basin Cleanout Project</b>				
High exposure rate hardware monoliths	0	2,900	Not included in EE/CC waste volume estimate - Work scope originally scheduled prior to issuance of EE/CA. A schedule delay prompted an evaluation which indicated that the waste met the ERDF WAC making ERDF a viable disposal option.	6,400
N Basin low level waste	8,500	22,000	Accounted for disposal of cleanup equipment, volume uncertainty, and rescheduling of work.	48,600
N Basin sediment	0 <sup>(3)</sup>	350	Adjusted for grout volume, sand filter disposal, and previous volume uncertainty.	800
Lift station low level waste	0	4,800	Although waste source was encompassed within the EE/CA waste description, the volume was not estimated.	10,600
Lift station sediment	0	360	Although waste source was encompassed within the EE/CA waste description, the volume was not estimated.	800
Subtotal N Basin	8,500	30,410		\$67,200
<b>Overall Total (cu. ft.):</b>	<b>22,700</b>	<b>73,550</b>		
<b>Overall Total (cu. m):</b>	<b>643</b>	<b>2,083</b>	<b>Overall Cost (\$)</b>	<b>\$162,600</b>

\* Packaged volume

\*\* Key cost assumption from EE/CA: disposal of low-level radioactive waste and dangerous waste at ERDF at \$78/m<sup>3</sup>. Includes all direct and indirect

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costs and cost of transportation from 100-N Area to the ERDF.

(1) EDB waste volume not specified in Action Memorandum; waste volume taken from EE/CA, 116 m<sup>3</sup> (1650 ft<sup>3</sup>)

(2) IDW waste amount incorrectly specified as only 5 m<sup>3</sup> in the Action Memorandum; the EE/CA specified the IDW waste volume as 47 m<sup>3</sup> which was the amount used in the EE/CA cost assumptions.

(3) The Action Memorandum specifically indicated the N Fuel Storage Basin sediment volume to be 2 m<sup>3</sup> (70 ft<sup>3</sup>), however, in the EE/CA, this waste amount was included in the 240 m<sup>3</sup> (8,500 ft<sup>3</sup>) of N Basin LLW.